

<b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary) <b>PTO Form 1449</b>		Attorney Docket 044508-5003		Application No. 10/089,175	
		Applicants: Michael J. Daly <i>et al.</i>		Page 1 of 2	
		Filing Date: March 27, 2002		Group Art Unit: 1652	

U.S. PATENT DOCUMENTS							
Initial	Document No.	Date	Name	Class	Sub-Class	Filing Date	

FOREIGN PATENT DOCUMENTS							
Document No.	Date	Country	Class	Sub-Class	Translation		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
if	aa	Barrineau <i>et al.</i> (1984) The DNA sequence of the mercury resistance operon of the IncFII plasmid NR1, Molec. Appl. Genet. 2:601-619
	ab	Daly <i>et al.</i> (1994) In vivo damage and recA-dependent repair of plasmid and chromosomal DNA in the radiation-resistant bacterium <i>Deinococcus radiodurans</i> , J. Bacteriol. 176:3508-3517
	ac	Daly <i>et al.</i> (1994) Interplasmidic recombination following irradiation of the radioresistant bacterium <i>Deinococcus radiodurans</i> , J. Bacteriol. 176:7506-7515
	ad	Daly <i>et al.</i> (1995) Interchromosomal recombination in the extremely radioresistant bacterium <i>Deinococcus radiodurans</i> , J. Bacteriol. 177:5495-5505
	ae	Daly <i>et al.</i> (1995) Resistance to radiation, Science 270:1318
	af	Daly <i>et al.</i> (1996) An alternative pathway of recombination of chromosomal fragments precedes recA-dependent recombination in the radioresistant bacterium <i>Deinococcus radiodurans</i> , J. Bacteriol. 178:4461-4471
	ag	Daly <i>et al.</i> (1997) Recombination between a resident plasmid and the chromosome following irradiation of the radioresistant bacterium <i>Deinococcus radiodurans</i> , Gene 187:225-229
	ah	Diels <i>et al.</i> (1995) The <i>czc</i> operon of <i>Alcaligenes eutrophus</i> CH34: from resistance mechanism to the removal of heavy metals, J. Ind. Microbiol. 14:142-153
	ai	Gibson <i>et al.</i> (1970) Incorporation of oxygen-18 into benzene by <i>Pseudomonas putida</i> , Biochemistry 9:1631-1635
	aj	Hamlett <i>et al.</i> (1992) Roles of the Tn21 merT, merP, and merC gene products in mercury resistance and mercury binding, J. Bacteriol. 174:6377-6385
	ak	Ji <i>et al.</i> (1992) Regulation and expression of the arsenic resistance operon from <i>Staphylococcus aureus</i> plasmid pI258, J. Bacteriol. 174:3684-3694
	al	Kobal <i>et al.</i> (1973) X-ray determination of the absolute stereochemistry of the initial oxidation product formed from toluene by <i>Pseudomonas putida</i> 39-D, J. Am. Chem. Soc. 95:4420-4421
	am	Lange <i>et al.</i> (1997) Oxidation of aliphatic olefins by toluene dioxygenase: enzyme rates and product identification, J. Bacteriol. 179:3858-3865
	an	Li <i>et al.</i> (1992) Trichloroethylene oxidation by toluene dioxygenase, Biochem. Biophys. Res. Commun. 185:443-451
	ao	Lovely (1995) Bioremediation of organic and metal contaminants with dissimilatory metal reduction, J. Ind. Microbiol. 14:85-93

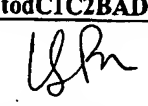
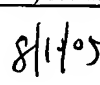
Examiner <span style="float: right;">ifpm</span>	Date Considered <span style="float: right;">8/1/05</span>
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>				
		Minton (1994) DNA repair in the extremely radioresistant bacterium <i>Deinococcus radiodurans</i> , Mol. Microbiol. 13:9-15.		
	aq	Minton (1996) Repair of ionizing-radiation damage in the radiation resistant bacterium <i>Deinococcus radiodurans</i> , Mutat. Res. 363:1-7		
	ar	Mosely et al. (1983) Isolation and properties of strains of Micrococcus (Deinococcus) radiodurans unable to excise ultraviolet light-induced pyrimidine dimers from DNA: evidence for two excision pathways, J. Gen. Microbiol. 129:2437-2445		
	as	Nies et al. (1995) Ion efflux systems involved in bacterial metal resistances, J. Ind. Microbiol. 14:186-199		
	at	Rainey et al. (1997) Phylogenetic diversity of the deinococci as determined by 16S ribosomal DNA sequence comparison, Int. J. Syst. Bacteriol. 47:510-514		
	au	Schottel (1978) The mercuric and organomercurial detoxifying enzymes from a plasmid-bearing strain of Escherichia coli, J. Biol. Chem. 253:4341-4349		
	av	Smith et al. (1988) Duplication insertion of drug resistance determinants in the radioresistant bacterium <i>Deinococcus radiodurans</i> , J. Bacteriol. 170:2126-2135		
	aw	Tsapin et al. (1996) Purification and properties of a low-redox-potential tetraheme cytochrome c3 from <i>Shewanella putrefaciens</i> , J. Bacteriol. 178:6386-6388		
	ax	Turner et al. (1995) Cyanobacterial metallothioneins: biochemistry and molecular genetics, J. Ind. Microbiol. 14:119-125		
	ay	Voordouw et al. (1986) Cloning and sequencing of the gene encoding cytochrome c3 from <i>Desulfovibrio vulgaris</i> (Hildenborough), Eur. J. Biochem. 159:347-351		
	az	Wackett et al. (1988) Degradation of trichloroethylene by toluene dioxygenase in whole-cell studies with <i>Pseudomonas putida</i> F1, Appl. Environ. Microbiol. 54:1703-1708		
	ba	Wackett et al. (1989) Survey of microbial oxygenases: trichloroethylene degradation by propane-oxidizing bacteria, Appl. Environ. Microbiol. 55:2960-2964		
	bb	Wackett et al. (1994) Metabolism of polyhalogenated compounds by a genetically engineered bacterium, Nature 368:627-629		
	bc	Wackett (1997) Biocatalysis, biodegradation and bioinformatics, J. Ind. Microbiol. Biotechnol. 19:350-354		
	bd	White et al. (1999) Genome sequence of the radioresistant bacterium <i>Deinococcus radiodurans</i> R1, Science 286:1571-1577		
	be	Zylstra et al. (1989) Toluene degradation by <i>Pseudomonas putida</i> F1. Nucleotide sequence of the todC1C2BADE genes and their expression in <i>Escherichia coli</i> , J. Biol. Chem. 264:14940-14946		
Examiner		Date Considered		
				
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<b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)  <b>PTO Form 1449</b>	Attorney Docket 044508-5003 US	Application No. <b>JC13 Rec'd PTO 27 MAR 2002</b>
	Applicants: Michael J. DALY et al.	
	Filing Date: March 27, 2002	Group Art Unit: Unassigned

**U.S. PATENT DOCUMENTS**

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Sub Class	<u>Translation</u>	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
L. Cai et al., "Metallothionein in Radiation Exposure: Its Induction and Protective Role", February 1999. Vol. 132, No. 2-3, pp. 85-98.	Lf
C. C. Lange et al., "Engineering a Recombinant <i>Deinococcus Radiodurans</i> For Organopollutant Degradation in Radioactive Mixed Waste Environments", Nature Biotechnology. October 1998. Vol. 16, No. 10, pages 929-933.	Lf
M. Smith et al., "Gene Expression in <i>Deinococcus Radiodurans</i> . Gene. 1991. Vol. 98., pg. 45-52.	Lf
D. Dowling et al., A DNA Module Encoding <i>bph</i> Genes for the Degradation of Polychlorinated Biphenyls. FEMS Microbiology Letters. 1991. Vol. 113, pp. 149-154.	Lf

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